

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/528,029  
Source: PT  
Date Processed by STIC: 3/9/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/09/2006

PATENT APPLICATION: US/10/528,029

TIME: 12:32:15

Input Set : A:\Sequence Listing Ascii.txt

Output Set: N:\CRF4\03092006\J528029.raw

```

3 <110> APPLICANT: The Queen Elizabeth Hospital
W--> 4 <120> TITLE OF INVENTION: Methods for regulating cancer
W--> 5 <130> FILE REFERENCE: 03 1348 7262
C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/528,029
C--> 6 <141> CURRENT FILING DATE: 2005-12-16
W--> 6 <160> NUMBER OF SEQ ID: 13
7 <170> SOFTWARE: PatentIn version 3.2
9 <210> SEQ ID NO: 1
10 <211> LENGTH: 984
11 <212> TYPE: PRT
12 <213> ORGANISM: Homo sapiens
W--> 13 <400> SEQUENCE: 1
14 Met Glu Leu Arg Val Leu Leu Cys Trp Ala Ser Leu Ala Ala Ala Leu
15 1 5 10 15
16 Glu Glu Thr Leu Leu Asn Thr Lys Leu Glu Thr Ala Asp Leu Lys Trp
17 20 25 30
18 Val Thr Phe Pro Gln Val Asp Gly Trp Glu Glu Leu Ser Gly Leu Asp
19 35 40 45
20 Glu Glu Gln His Ser Val Arg Thr Tyr Glu Val Cys Asp Val Gln Arg
21 50 55 60
22 Ala Pro Gly Gln Ala His Trp Leu Arg Thr Gly Trp Val Pro Arg Arg
23 65 70 75 80
24 Gly Ala Val His Val Tyr Ala Thr Leu Arg Phe Thr Met Leu Glu Cys
25 85 90 95
26 Leu Ser Leu Pro Arg Ala Gly Arg Ser Cys Lys Glu Thr Phe Thr Val
27 100 105 110
29 Phe Tyr Tyr Glu Ser Asp Ala Asp Thr Ala Thr Ala Leu Thr Pro Ala
30 115 120 125
31 Trp Met Glu Asn Pro Tyr Ile Lys Val Asp Thr Val Ala Ala Glu His
32 130 135 140
33 Leu Thr Arg Lys Arg Pro Gly Ala Glu Ala Thr Gly Lys Val Asn Val
34 145 150 155 160
35 Lys Thr Leu Arg Leu Gly Pro Leu Ser Lys Ala Gly Phe Tyr Leu Ala
36 165 170 175
37 Phe Gln Asp Gln Gly Ala Cys Met Ala Leu Leu Ser Leu His Leu Phe
38 180 185 190
39 Tyr Lys Lys Cys Ala Gln Leu Thr Val Asn Leu Thr Arg Phe Pro Glu
40 195 200 205
41 Thr Val Pro Arg Glu Leu Val Val Pro Val Ala Gly Ser Cys Val Val
42 210 215 220
43 Asp Ala Val Pro Ala Pro Gly Pro Ser Pro Ser Leu Tyr Cys Arg Glu
44 225 230 235 240
45 Asp Gly Gln Trp Ala Glu Gln Pro Val Thr Gly Cys Ser Cys Ala Pro

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46                               245                               250                               255
47 Gly Phe Glu Ala Ala Glu Gly Asn Thr Lys Cys Arg Ala Cys Ala Gln
48                               260                               265                               270
49 Gly Thr Phe Lys Pro Leu Ser Gly Glu Gly Ser Cys Gln Pro Cys Pro
50                               275                               280                               285
51 Ala Asn Ser His Ser Asn Thr Ile Gly Ser Ala Val Cys Gln Cys Arg
52                               290                               295                               300
53 Val Gly Tyr Phe Arg Ala Arg Thr Asp Pro Arg Gly Ala Pro Cys Thr
54 305                               310                               315                               320
55 Thr Pro Pro Ser Ala Pro Arg Ser Val Val Ser Arg Leu Asn Gly Ser
56                               325                               330                               335
57 Ser Leu His Leu Glu Trp Ser Ala Pro Leu Glu Ser Gly Gly Arg Glu
58                               340                               345                               350
59 Asp Leu Thr Tyr Ala Leu Arg Cys Arg Glu Cys Arg Pro Gly Gly Ser
60                               355                               360                               365
61 Cys Ala Pro Cys Gly Gly Asp Leu Thr Phe Asp Pro Gly Pro Arg Asp
62                               370                               375                               380
63 Leu Val Glu Pro Trp Val Val Val Arg Gly Leu Arg Pro Asp Phe Thr
64 385                               390                               395                               400
65 Tyr Thr Phe Glu Val Thr Ala Leu Asn Gly Val Ser Ser Leu Ala Thr
66                               405                               410                               415
67 Gly Pro Val Pro Phe Glu Pro Val Asn Val Thr Thr Asp Arg Glu Val
68                               420                               425                               430
69 Pro Pro Ala Val Ser Asp Ile Arg Val Thr Arg Ser Ser Pro Ser Ser
70                               435                               440                               445
71 Leu Ser Leu Ala Trp Ala Val Pro Arg Ala Pro Ser Gly Ala Val Leu
72                               450                               455                               460
73 Asp Tyr Glu Val Lys His Glu Lys Gly Ala Glu Gly Pro Ser Ser Val
74 465                               470                               475                               480
75 Arg Phe Leu Lys Thr Ser Glu Asn Arg Ala Glu Leu Arg Gly Leu Lys
76                               485                               490                               495
77 Arg Gly Ala Ser Tyr Leu Val Gln Val Arg Ala Arg Ser Glu Ala Gly
78                               500                               505                               510
79 Tyr Gly Pro Phe Gly Gln Glu His Ser Gln Thr Gln Leu Asp Glu
80                               515                               520                               525
81 Ser Glu Gly Trp Arg Glu Gln Leu Ala Leu Ile Ala Gly Thr Ala Val
82                               530                               535                               540
83 Val Gly Val Val Leu Val Leu Val Val Ile Val Val Ala Val Leu Cys
84 545                               550                               555                               560
85 Leu Arg Lys Gln Ser Asn Gly Arg Glu Ala Glu Tyr Ser Asp Lys His
86                               565                               570                               575
87 Gly Gln Tyr Leu Ile Gly His Gly Thr Lys Val Tyr Ile Asp Pro Phe
88                               580                               585                               590
89 Thr Tyr Glu Asp Pro Asn Glu Ala Val Arg Glu Phe Ala Lys Glu Ile
90                               595                               600                               605
91 Asp Val Ser Tyr Val Lys Ile Glu Glu Val Ile Gly Ala Gly Glu Phe
92                               610                               615                               620
93 Gly Glu Val Cys Arg Gly Arg Leu Lys Ala Pro Gly Lys Lys Glu Ser
94 625                               630                               635                               640

```

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95 Cys Val Ala Ile Lys Thr Leu Lys Gly Gly Tyr Thr Glu Arg Gln Arg
96                      645                      650                      655
97 Arg Glu Phe Leu Ser Glu Ala Ser Ile Met Gly Gln Phe Glu His Pro
98                      660                      665                      670
99 Asn Ile Ile Arg Leu Glu Gly Val Val Thr Asn Ser Met Pro Val Met
100                     675                      680                      685
101 Ile Leu Thr Glu Phe Met Glu Asn Gly Ala Leu Asp Ser Phe Leu Arg
102                     690                      695                      700
103 Leu Asn Asp Gly Gln Phe Thr Val Ile Gln Leu Val Gly Met Leu Arg
104 705                      710                      715                      720
105 Gly Ile Ala Ser Gly Met Arg Tyr Leu Ala Glu Met Ser Tyr Val His
106                     725                      730                      735
107 Arg Asp Leu Ala Ala Arg Asn Ile Leu Val Asn Ser Asn Leu Val Cys
108                     740                      745                      750
109 Lys Val Ser Asp Phe Gly Leu Ser Arg Phe Leu Glu Glu Asn Ser Ser
110                     755                      760                      765
111 Asp Pro Thr Tyr Thr Ser Ser Leu Gly Gly Lys Ile Pro Ile Arg Trp
112                     770                      775                      780
113 Thr Ala Pro Glu Ala Ile Ala Phe Arg Lys Phe Thr Ser Ala Ser Asp
114 785                      790                      795                      800
115 Ala Trp Ser Tyr Gly Ile Val Met Trp Glu Val Met Ser Phe Gly Glu
116                     805                      810                      815
117 Arg Pro Tyr Trp Asp Met Ser Asn Gln Asp Val Ile Asn Ala Ile Glu
118                     820                      825                      830
119 Gln Asp Tyr Arg Leu Pro Pro Pro Pro Asp Cys Pro Thr Ser Leu His
120                     835                      840                      845
121 Gln Leu Met Leu Asp Cys Trp Gln Lys Asp Arg Asn Ala Arg Pro Arg
122                     850                      855                      860
123 Phe Pro Gln Val Val Ser Ala Leu Asp Lys Met Ile Arg Asn Pro Ala
124 865                      870                      875                      880
125 Ser Leu Lys Ile Val Ala Arg Glu Gly Gly Ala Ser His Pro Leu Leu
126                     885                      890                      895
127 Asp Gln Arg Gln Pro His Tyr Ser Ala Phe Gly Ser Val Gly Glu Trp
128                     900                      905                      910
129 Leu Arg Ala Ile Lys Met Gly Arg Tyr Glu Glu Ser Phe Ala Ala Ala
130                     915                      920                      925
131 Gly Phe Gly Ser Phe Glu Leu Val Ser Gln Ile Ser Ala Glu Asp Leu
132                     930                      935                      940
133 Leu Arg Ile Gly Val Thr Leu Ala Gly His Gln Lys Lys Ile Leu Ala
134 945                      950                      955                      960
135 Ser Val Gln His Met Lys Ser Gln Ala Lys Pro Gly Thr Pro Gly Gly
136                     965                      970                      975
137 Thr Gly Gly Pro Ala Pro Gln Tyr
138                     980
141 <210> SEQ ID NO: 2
142 <211> LENGTH: 25
143 <212> TYPE: PRT
144 <213> ORGANISM: Homo sapiens
W--> 145 <400> SEQUENCE: 2

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```

146 Thr Val Asn Leu Thr Arg Phe Pro Glu Thr Val Pro Arg Glu Leu Val
147 1          5          10          15
148 Val Pro Val Ala Gly Ser Cys Val Val
149          20          25
152 <210> SEQ ID NO: 3
153 <211> LENGTH: 25
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
W--> 156 <400> SEQUENCE: 3
157 Gly Ser Cys Val Val Asp Ala Val Pro Ala Pro Gly Pro Ser Pro Ser
158 1          5          10          15
159 Leu Tyr Cys Arg Glu Asp Gly Gln Trp
160          20          25
163 <210> SEQ ID NO: 4
164 <211> LENGTH: 25
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
W--> 167 <400> SEQUENCE: 4
168 Glu Asp Gly Gln Trp Ala Glu Gln Pro Val Thr Gly Cys Ser Cys Ala
169 1          5          10          15
170 Pro Gly Phe Glu Ala Ala Glu Gly Asn
171          20          25
176 <210> SEQ ID NO: 5
177 <211> LENGTH: 25
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
W--> 180 <400> SEQUENCE: 5
181 Ala Ala Glu Gly Asn Thr Lys Cys Arg Ala Cys Ala Gln Gly Thr Phe
182 1          5          10          15
183 Lys Pro Leu Ser Gly Glu Gly Ser Cys
184          20          25
187 <210> SEQ ID NO: 6
188 <211> LENGTH: 25
189 <212> TYPE: PRT
190 <213> ORGANISM: Homo sapiens
W--> 191 <400> SEQUENCE: 6
192 Gly Glu Gly Ser Cys Gln Pro Cys Pro Ala Asn Ser His Ser Asn Thr
193 1          5          10          15
194 Ile Gly Ser Ala Val Cys Gln Cys Arg
195          20          25
198 <210> SEQ ID NO: 7
199 <211> LENGTH: 25
200 <212> TYPE: PRT
201 <213> ORGANISM: Homo sapiens
W--> 202 <400> SEQUENCE: 7
203 Val Cys Gln Cys Arg Val Gly Tyr Phe Arg Ala Arg Thr Asp Pro Arg
204 1          5          10          15
205 Gly Ala Pro Cys Thr Thr Pro Pro Ser
206          20          25

```

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Input Set : A:\Sequence Listing Ascii.txt

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209 <210> SEQ ID NO: 8
210 <211> LENGTH: 8
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
W--> 213 <400> SEQUENCE: 8
214 Ala Gly Ser Cys Val Val Asp Ala
215 1 5
218 <210> SEQ ID NO: 9
219 <211> LENGTH: 10
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
W--> 222 <400> SEQUENCE: 9
223 Val Ala Gly Ser Cys Val Val Asp Ala Val
224 1 5 10
226 <210> SEQ ID NO: 10
227 <211> LENGTH: 16
228 <212> TYPE: PRT
229 <213> ORGANISM: Homo sapiens
W--> 230 <400> SEQUENCE: 10
231 Leu Val Val Pro Val Ala Gly Ser Cys Val Val Asp Ala Val Pro Ala
232 1 5 10 15
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 25
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
W--> 239 <400> SEQUENCE: 11
240 Ala Gly Ser Cys Val Val Asn Ala Val Pro Ala Pro Gly Pro Ser Pro
241 1 5 10 15
242 Ser Leu Tyr Cys Arg Glu Asp Gly Gln
243 20 25
246 <210> SEQ ID NO: 12
247 <211> LENGTH: 25
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo sapiens
W--> 250 <400> SEQUENCE: 12
251 Ala Gly Ser Cys Val Val Asp Ala Val Pro Ala Pro Gly Pro Ser Pro
252 1 5 10 15
253 Ser Leu Tyr Cys Arg Glu Asp Gly Gln
254 20 25
259 <210> SEQ ID NO: 13
260 <211> LENGTH: 5
261 <212> TYPE: PRT
262 <213> ORGANISM: Homo sapiens
W--> 263 <400> SEQUENCE: 13
264 Gly Ser Cys Val Val
265 1 5

```

## VERIFICATION SUMMARY

DATE: 03/09/2006

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Input Set : A:\Sequence Listing Ascii.txt

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L:4 M:283 W: Missing Blank Line separator, <120> field identifier  
L:5 M:283 W: Missing Blank Line separator, <130> field identifier  
L:6 M:270 C: Current Application Number differs, Replaced Current Application No  
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:6 M:283 W: Missing Blank Line separator, <160> field identifier.  
L:13 M:283 W: Missing Blank Line separator, <400> field identifier  
L:145 M:283 W: Missing Blank Line separator, <400> field identifier  
L:156 M:283 W: Missing Blank Line separator, <400> field identifier  
L:167 M:283 W: Missing Blank Line separator, <400> field identifier  
L:180 M:283 W: Missing Blank Line separator, <400> field identifier  
L:191 M:283 W: Missing Blank Line separator, <400> field identifier  
L:202 M:283 W: Missing Blank Line separator, <400> field identifier  
L:213 M:283 W: Missing Blank Line separator, <400> field identifier  
L:222 M:283 W: Missing Blank Line separator, <400> field identifier  
L:230 M:283 W: Missing Blank Line separator, <400> field identifier  
L:239 M:283 W: Missing Blank Line separator, <400> field identifier  
L:250 M:283 W: Missing Blank Line separator, <400> field identifier  
L:263 M:283 W: Missing Blank Line separator, <400> field identifier